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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/539,907	06/17/2005	Paolo Agostinelli	207048	6581
7590 01/19/2007 Abelman, Frayne & Schwab			EXAMINER	
666 Third Ave	666 Third Avenue		NGUYEN, CHAU N	
10Th Floor New York, NY	′ 10017-5621	•	ART UNIT	PAPER NUMBER
110.17 1011, 111			2831	
SHORTENED STATUTOR	RY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE	
3 MC	ONTHS	01/19/2007	PAP	'ER

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Office Action Summary Total N. Nguyen
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.138(a). In no event, however, may a reply be timely filed expensions of 18 NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (8) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (38 U.S.C. § 133). Any reply received by the Office later than three menths after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). Status 1) Responsive to communication(s) filed on 17 November 2006. 2a) This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 1-5 and 7-10 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) is/are allowed. 6) Claim(s) is/are objected to. 8) Claim(s) is/are objected to. 8) Claim(s) is/are objected to by the Examiner. 10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
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Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CER 1.121(d)
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.
Priority under 35 U.S.C. § 119
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of:
1. Certified copies of the priority documents have been received.
2. Certified copies of the priority documents have been received in Application No
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
* See the attached detailed Office action for a list of the certified copies not received:
and analysis solution of a list of the solution dopied het received.
A44
Attachment(s) 1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413)
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) Paper No(s)/Mail Date
3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 5) Notice of Informal Patent Application 6) Other:

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Art Unit: 2831

DETAILED ACTION

Claim Rejections - 35 USC § 103

- 1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 2. Claims 1-5 and 7-10 are rejected under 35 U.S.C. 103(a) as being unpatentable over JP 2000-156450 (JP'450) in view of Shockley (2,744,063).

JP'450 discloses an electric wire comprising a conducting metal (1) able to continually conduct a current, the outer surface of which is covered in a layer of alloy (2). JP'450 also discloses the wire being a metal wire able to conduct the current (re claim 4). JP'450 does not disclose the alloy containing tin, antimony and copper. Shockley discloses an invention relating to an alloy containing tin, antimony and copper (re claim 1). Shockley discloses that alloy containing tin, antimony and copper has long been accepted as satisfactory coating (bearing) materials which can be plated on a backing metal. Alloy containing (re claims 2 and 3) tin in amount of 95%wt, antimony in amount of 4%wt and copper in amount of 1% of Shockley has a good adherent to metal base such as copper (col.

5, lines 35-40). It would have been obvious to one skilled in the art to use the alloy containing tin, antimony and copper as taught by Shockley for the alloy layer (2) of JP'450 since the alloy taught by Shockley is known in the art for being used as coating materials and has a good adherent to copper. Re claim 5, it would have been obvious to one skilled in the art to use copper for the wire of JP'450 since copper is known in the art for its highly conductivity. Re claims 7-9, it would have been obvious to one skilled in the art to use the modified wire of JP'450 as signal wire, power wire in a winding or in a transformer since it has been held that a recitation of the intended use of the claimed invention must result in a structural difference between the claimed invention and the prior art in order to patentably distinguish the claimed invention from the prior art. If the prior art structure is capable of performing the intended use, then it meets the claim. Re claim 10, it would have been obvious to one skilled in the art to provide the modified wire of JP'450 with a dielectric sheath made of woven black silk to provide the wire with an insulation layer since woven black silk is known in the art for being used as insulating material.

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Response to Arguments

3. Applicant's arguments filed 11/17/2006 have been fully considered but they are not persuasive.

In response to applicant's argument that there is no suggestion to combine the references, the examiner recognizes that obviousness can only be established by combining or modifying the teachings of the prior art to produce the claimed invention where there is some teaching, suggestion, or motivation to do so found either in the references themselves or in the knowledge generally available to one of ordinary skill in the art. See *In re Fine*, 837 F.2d 1071, 5 USPQ2d 1596 (Fed. Cir. 1988)and *In re Jones*, 958 F.2d 347, 21 USPQ2d 1941 (Fed. Cir. 1992). In this case, the suggestion to do so is found in the references themselves. Specifically, Shockley teaches that alloy containing tin, antimony and copper has good adherent to metal base such as copper.

Applicant also argues that both JP 2000-156450 and Shockley teach providing the coating using electrolytic process where the coating is very thin. The present invention, on the other hand, provides the coating with greater thickness.

This argument is not found persuasive because the present invention does not recite any thickness of the coating layer.

Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Chau N. Nguyen whose telephone number is 571-272-1980. The examiner can normally be reached on Mon-Fri.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dean Reichard can be reached on 571-272-2800 ext 31. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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Chau N Nguyen Primary Examiner

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